8. The humeral cut guide system according to claim 1, wherein the primary cut guide member includes a plurality of grasping members coupled to a central hub.

9. The humeral cut guide system according to claim 8, wherein each of the grasping members include a patient-specific bone-engaging surface.

10. The humeral cut guide system according to claim 8, wherein at least one of the grasping members includes a hook feature configured to mate with the humeral head.

11. The humeral cut guide system according to claim 8, wherein the grasping members are differently sized.

12. The humeral cut guide system according to claim 1, wherein the primary cut guide member is composed of a humeral mating member and a humeral cut guide member.

13. The humeral cut guide system according to claim 12, wherein the humeral cut guide member is removably attachable to the humeral mating member.

14. The humeral cut guide system according to claim 1, wherein the humeral cut guide member and the humeral mating member are unitary.

15. The humeral cut guide system according to claim 12, wherein the humeral mating member includes a plurality of grasping members coupled to a central hub.

16. The humeral cut guide system according to claim 15, wherein each of the grasping members include a patient-specific bone-engaging surface.

17. The humeral cut guide system according to claim 15, wherein at least one of the grasping members includes a hook feature configured to mate with the humeral head.

18. The humeral cut guide system according to claim 15, wherein the grasping members are differently sized.

19. A method of resectioning or resurfacing a humeral head, comprising:

affixing a primary cut guide member to a humeral head, the primary cut guide member including a patient-specific bone-engaging surface, a primary elongate slot that defines a primary cutting plane, and including a pair of cylindrical apertures;

determining whether the primary cutting plane is sufficient for the resectioning or the resurfacing of the humeral head, and if the primary cutting plane is sufficient, conducting the resectioning or the resurfacing of the humeral head;

wherein if the primary cutting plane is not sufficient for the resectioning or the resurfacing of the humeral head, a pair of guide pins are coupled to the humeral head through the cylindrical apertures, the primary cut guide slot is removed, and a secondary cut guide member including a secondary elongate slot that defines a secondary cutting plane is attached to the pins.

20. The method according to claim 19, wherein the patient-specific bone engaging surface is complementary to a patient bone surface of the humeral head.

21. The method according to claim 19, wherein the primary cut guide member includes a plurality of grasping members coupled to a central hub.

22. The method according to claim 21, wherein each of the grasping members include the patient-specific bone-engaging surface.

23. The method according to claim 19, wherein the primary cut guide member is composed of a humeral mating member and a humeral cut guide member.

24. The method according to claim 23, wherein the humeral cut guide member is removably attachable to the humeral mating member.

25. The method according to claim 23, wherein the humeral cut guide member and the humeral mating member are unitary.

26. The method according to claim 23, wherein the humeral mating member includes a plurality of grasping members coupled to a central hub.

27. The method according to claim 26, wherein each of the grasping members include the patient-specific bone-engaging surface.

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